AUGUST 22, 1921

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AIRCRAFT JOURNAL



VOLUME XI Number 8

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TT ACTOR a setuation with many points marker to the of \$200,000 a year for three years has been appointed, which

for the placeer of orders by the Air Ministry with construcform" at a monthly sental of 2% nor cost of the nest of the machines. After thirty such surnereds the markets becomes poid 20 per cent. In effect the emproyr gets the markage on saved as companies in favor of the Air Mixedry against There is neither reason for nor prospect of the American

strend industry receiving any direct consequent subside remodiately be ordered. The machines that make good would several the property of the prevenuent, their seets to be Which spring proves that the successful passecution of our commanding offers of a large symbac accuramentar wors table rast every sp design and installation which have lead

surpless prints, the first maintaining that it is desperous and underivable for a point ever to depend on marra-

Further Education THE drift power has just lately readered a service to

emetica-purhage monestrously, but percribdice a Two experiments acceleral happened practically negations

sent war will depend on the convertibility of our commercial

The British Aerial Derby

races were flows over the same entries at the insertance time the Dorley and the Handison. The salines were started according to there hand care. The first machine to consider the course The start and fresh of the more were at Henden, and the





Avro Belly, '6 hp. Green Hadder Sopwish Pup, 50 hp. Blome Fernatur-Walter Ave. Votes, 220 hr. House, Tan-Co. Scowith Canad, 136 hp. Cleaget Broad.

Fights between France and Casablance, in Morecon, see now being pushe from those a work, and a deely service in home planned. The true from Party rentimes two data, leavely both Mr Gripveler's SESA and Mr January Based were carrying in Billy Itel load that their engine styrped for Air true from London to Carabianes cost shightly more than so possess, while the rail and water goursely some a room more than twenty pounds. The passenger, however, same



Mn. Osvennam, Finder new Disspenderson, Consenses THE

A Modified Le Pere Fighter



A MONTON Le Plan Principa. Note the Will Derric F on Prince of the Bow of the Lower Streetson William

A proportion Cabifornian sportional, Mr. L. C. Board had Pandens, Calif. The requirements which Mr. Rambart had 3. The numbers was to head at loss them 60 raph, with no

The sucreme added the er-

cember of the stabilities and letted during the tests;

2. The markens was to

little or a light load of fuel

to recessor the surface of the stabilizer so as to produce the coming the difficulties to that the threat would not

THE PURE STREET OF THE MORNING La Paux Posters

threat now make a negetine. of a creently the store In the first modification

To saturb the condition of varying lead a stabilizer ad neterest already to the market was used with modification, or slow usered without more or tail becomes and well-cell was attached to the lower adveces with only a spreader be- center of gravity was increased. This shange was made by a

(a) Grandy flow to the curkwriter. (a) Paul flow with a factor of safety.

The pumpe are of the six-driven contributed type. They show with a year shight event the actual pressure of the rev-The redder surface was recessed at order to give better control on the reward. The redder which was on the reselect

By slawing up the machine the tendency to some over was

Ardmore, Oklas, Acre Club



shift to the lossion of the center of granty both vertically

The was accomplished by springing the tail skill on rebber

13. The role radiators were to be reserved so that the pliat til The tide manager were at an reason of one on page

A rective of the balanced cost of the elevators over the

14. When the empire was throttled existly or for a year

The Standard Liberty pipes were used with the openings Mr. G. G. Hadwig was Mr. Drutt's personal representative

The organizing and doors was done by Mr. G. Edw. Barnhagi who was employed as occuping engineer. The

Norm, supressentent of the C M. Little Assenti Co. of

The Harrisbury Ampleon Co has been memperated in

THE LA PARK PARKETS STORY MODERNATURE. THE MACROES IN SECURITY PARKET ASSESSMENT OF THE ENGINEE.

Senators Urge Nation to Save Millions by Increasing Air Defense Over Sea

Bombing Tests Show Vulnerability of Battleships and Imperative Need of Aircraft Carriers Execute from the removie of Sunators Rocal, Madelson, before the account across has commended what it controlled

\$400,000,000 Aur Olivedate Dateman of loant \$250,000,000 of store a very that will not add any

who are inforced, even within the next year, Yet we go forward building these great bettleships at this excessors scream, knowing that goods of two years the navalent will good Artifactive of the "littings" class, coming from Souther, 800 to \$42,000,000 apaper to build, upon which very little work

truly checket, but it demonstrated further that with rafficient surplane and submarine posternos, this country was

nations do. I do not take that position. I do not wish that to be understood. What I say is that we are pasting this ocrposponding somethy and without gelling any safety one expenditures and yet it into airplanes and minuscram of an went real security and real sufety. I do not thank in the

Editornal in New York Times, July 23, 1921 Of the contrag of the fermer German development Outfreeland by army mentors, Greeni Williams, Glauf of Ordenson, and "A bent you first today that will be hard around the world". He added "The asystal skep too faces a means that must be passed appeared by every possible shelp and affect." As the possibled way to peared opened that messery in an expense on any profession of expenser to meet of any other our power, as invested upon Congress to empty the accessory appropriations. The offernation, it should be emphasized, in distriction of evaneurate by opportunit with other Fixed upon take held that the heavily armored buttlerkey would withstand assemble from the oer and remain afant have been tendersolds. It was only a question of the asyltania pourse of the bend need. Brig. Gen. William Matchell's durbum that The separate Arys. They mad office that the latter of the regions again support one commonwest in the American American and the separate support of the delication and the separate support of the sep If there were was tensioned with a commission Power governing until surplems conview and a well-trained and numer-

metry appearer, and the country of the manifement of the stop weath to desperent amount of.

Transpose menatur of piloth sufferd to soil the core formulable Outrestand, and the error 3,000-pound house that one ner own were srepping, an my small in proposed, for my sound from the proposed for the second of death and her tendercoas! It was not accounty to bare her desk open. The breaks that excepted seasones of death and her were

Michel use many decombines by his pullenary and during in France.

In a contribution in the May World's Work Admired from and "If the classes of the surplane advocates can be see short, it means that may hattlering covering units the rather of please which are in copped of the are will be deadled or destroyed. If these claims here not been fully realized, no for manded after will now argue that the acquaittee of a formulable need are force to not more emportant than the completition of the three-year registal sing construction prohas been done more which a very small remembers of building may not \$220,000,000 or many by during thet. If it come to or more by doing so, and in my spince, unless we are writing to do that. Mr. President, unless we are writing to cut the Army to 100,000 men and recognize the official organization which we have had given to us off the Virginia coast, and Sensor Joseph-Phir. Procedure, I had the privilege of seemer the barelow of that German butfleship, and I beard

ing. He was thoroughly acquired with the character of the within 35 or 20 security from the dropping of the first 2,000-Show Wasts of Money to Continue Statisting Euroleships New address from the New York Times which as reproduced obs-where on this second). "Mr. Provident, without assessment to different construction which may be lead, it does seem to the completized retailed that to go forward and head these buildeships at this time until this beeling proportion has been carried to its final expelence, until we know what is needed

R. At least 100 bears for inflation.

Nations on Assess of Pene

understand that I am in complete and arrient berracey with

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Scooler Street .- "Mr. President, the party which is now in some on not affect from any standards to provid day an

van discussed a few weeks ago in this Chamber, every fema-ton's spisace in trade up; and if the resolution out it be mi-

which has been indentitized by the able Seppine from High

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Gordon Bennett Balloon Race

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C. Material will be reserved arminet fire and theft from It is necessary that the filting of the balleons size

D. The material must be at the place of destination on

To conform to the Acres Traffic Laws the halloom Every bellook must carry the personal of its disk



THE RESIDENCE BEWEIGHT ASSESSED IN PLANT

Tests of the Airliner

Wind Tennel Construction* Fr J. H. Potkin and H. C. Grass

4 B. N.P.L. type and is installed in a hydraulic laboratory which is 60 ft. x 113 ft. x 17 ft. 6 in. This is well about determed for 1,000 km, such as would be developed by two 500 hr. or mare. The removed direct drive Libertus were. minifed alongly to expected testing and then verify the type

At the outset of the aresent tests cooker croten tapeble

Stockled back to 1450 warm at which sound the hower-mower

As a result of these ancieweable features the flow of air inthe room was very reach disturbed, and an avvertigation was undertaken to determine the best form of intake to reduce the palestons and secure a majorm databation of relatity

A large number of intake arrangements were tested at

of a box count in exam-metion to the autents of the helicourth. 6 Et. 5 in square and projecting 30 in from the fine of the lattle. The name and front are made up of bettered emissions of \$\frac{1}{2}\$ as \$\frac{1}{2}\$ in dressed stock, speed one districtor agast is

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The word traced at Toronto University is of the standard

"Abstract of University of Toronto accountried remarch paper No. 3,

"Who's Who in American Aeronautics" Euroy work, APIATION AND AIRCRAFT IOURNAL prints the hierarchical shorth of

men scho ere pressinent in American Aeronautics. These siretches will be sublished later in pamphlet form. As so more of the officers change their sistings often, it is believed that a sent-around time will be necessary. In compilations of this character many errors and omteleviene occur. It will be appreciated if corrections are sent to "Who's Whe" Editor.

SO, SANCEL MERCOPPE Males Red WHI.DEM WALLERS I, East Enter Dealer, here, Cornella, Gall, Pub 18, 2012, no of Public schools of New York City. her productived: Eigh school teacher, 1991-281. [Acceptance Law Freyworks of James Oct. 177 [Apr. 1916] Acceptance States of Particle of Part merican copied Morrey Coppe Juan 1918 Creams and Develop of Milliant Lawrenches, Statement Coll. Lawrence From Conf. 1918 of May 1915.

There Eather May 1915. Propert Computers Best estate dealer and and annual contract and annual contract and annual contract annual co

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Personal Companion, Captain, Air Saraha Parkins Parkin Probagoni Breanth Assistant, Jour April Warren S. Eston 100 Irea Ageralies Mid-117 area 100 Irea Ageralies Kaperima Baller, 100 Capes Ob Streets, Schilder LINE SPOT AND ADDRESS OF A ACRES OF THE SPOT AND ADDRESS OF THE SPOT AND ADDRESS OF THE SPOT ADDRESS OF TH Rounds, Such Debuts and Colorects miles sport to him while designant engineer for for;

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Stations, Series 1991 State Day problemany and advanced forms

Bombing at Aberdeen By Our Washinston Correspondent

There are ten types of demolitics boarts, the thra-well There are two types of decounts boars, the thin-was and the armon-process. The thin-wall bombs, constructed Frankright and the development Ortfriedand. These vessels

to 600 fb. and then to 1,100 fb. The 2,000 fb., or one-ten and capture of warpteneding one terms of some as engagement for an tile plane of much a vessels that anyel constructor now are working with need. It is indeventing to note that said weight specco-spatist as much as TNY. The posetrating ability of a local despried. It pulses from an in devianted easier. Done despried from an altrade of 5,000 ft, possetrate the board

grass not of ection. Temper promps show purpost please to



are cally sig fort high, wheneve the others run to 30 and 35

There are according to a Chigh pencis around a cercic fifty

The testing of bushe at Aberdeen is going on continually of all the bonds dropped by the Away only one of them, weighing 500 D., was a "bad". The Savy was much less It is the opinion of ordnance experts that there is no head Japanese Propellers A person or the Osaku Maranda Shoubun states that a Japaness company at present manufacturing possess and nature. Whether the designation has been made by the

Work at this time is being done on various types of appacannow of about 600 miles, a 3-fellowett telephone set which has





Maintenance Service for Alcoraft A service desegned to supply requirements of pilots and arr Asternesia Atrevera. This new presumation has taken over on lease several healtings of the plant of the College Point Boat The main structure is a few story building account. mately 300 x 00 ft, with a runnery leading denetly ight Plushour Play where expelled for fiftee any maratained for recount The company is at present everlanding several HS-2L frthese marketing to addition to remove conclusio and occurre

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Conadian Air Board Report

In view of the namest austation in this country for local lation to provide for the inventing of account and organic

Over Arterior Advanta

The Handley Perc Wine 5 fitted concentrated monopless worm to a D.H.-OA fracture. with a 400 km Liberty engine and were obtaining actual from endone, will be in shares of these lighter-than-sir andertak-



Details of the Lakehurst Airship Station

THE CHIPCOUGH HANDES AN THE LANCESCHIT NAME ADDRESS STATUTE. driven by electric motors with the power transmitted through

The celeblahescent of a station to build and operate rigid archite registers many other structures in addition to the harmy. A large power plant to formula electricity for once ever. A large hydrogen plant sepable of producing \$0,000 n our buildry of 1,000,000 on, ft. orposity. The memary

The range lambug field comprises on area of approximately An exercising feature of the banear are the decimal ratio An inferreding nearest of the manger are the seeining ran-which can through the shed and outsid 1500 ft. at each and These are in effect conducts with narrow state through which the splift of the sirelep A trelley of special design in morning and which can be thrown by interfact connecting

refe trees ingester all of the resonant. When the doors are not in use, then real leaves the sixt open for the passage of the trolley and swee and less to the archin. When the door M about it he moved, the connecting rod is thrown and the A record instance of service by anylone in its proper

out reese, sett-reppecting coor which is 177 H. nagh, 130 ft. long and 77 ft. decn. These doors are of structural stud Chort of Bureau, and Commander Karby Smith, Present Manager. Mr. J. Nichorison had charge of the engineering

Creating of the 28-2 Debugal. A proper report is said by the Navel Air Servers states that

Season extention had to be read to the lighting of the

Minneapelis to Charago 420 miles arranging the two cities were corporal as X hr. 52 mm, as average speed of more than 200 mpls.

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